How to Determine Toilet Flush Volume

- Put down the seat and check for a flush volume stamp between the seat and tank. If the stamp reads ***"1.6 gpf / 6.0 lpf"*** your toilet is a low-flow model.

- Take off the lid and check for a flush volume stamp or a date stamp inside the tank. The stamp may be on the walls of the tank or on the lid itself. If the flush volume stamp reads ***"1.6 gpf / 6.0 lpf"*** or the date stamp is later than 1993, your toilet is already a low-flow model. If the date stamp is before 1993 your toilet is most likely a high-volume model.

- If neither a flush volume stamp nor date stamp is present, you will need to measure the flush volume of your toilet tank. You will need a tape measure and a calculator.

  1) Place tape measure straight down into the toilet tank and make note of the water level in inches.

  2) Leave the tape measure in place and flush the toilet. Make note of the lowest water level, before the tank begins to refill.

  3) Subtract the second water level reading from the first to get your height reading.

  4) Next measure both length and width across the top of the tank.

  5) Multiply height x length x width to get flush volume.

  6) Divide by 231 to convert from cubic inches to gallons.

  If the flush volume measures less than 2.0 gallons, your toilet is a low-flow model.

Example 1: Initial water level reading = 8.5
Low water level reading = 2.0
Height = 8.5 – 2.0 = 6.5
Length = 18.0
Width = 7.0
Volume (cubic inches) = 6.5 x 18.0 x 7.0 = 819
Convert to gallons = 819 / 231 = 3.5
Toilet is a high volume model.

Example 2: Initial water level reading = 6.5
Low water level reading = 3.0
Height = 6.5 – 3.0 = 3.5
Length = 16.0
Width = 6.0
Volume (cubic inches) = 3.5 x 16.0 x 6.0 = 336
Convert to gallons = 336 / 231 = 1.5 gallons
Toilet is a low-flow model.

Example 3: Initial water level reading = 7.0
Low water level reading = 2.5
Height = 7.0 – 2.5 = 4.5
Length = 16.0
Width = 6.0
Volume (cubic inches) = 4.5 x 16.0 x 6.0 = 432
Convert to gallons = 432 / 231 = 1.9 gallons
Toilet is a low-flow model.